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Fabrication and Test Results for Coils made from Bi-2212 Rutherford-type Cable

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In earlier publications, we reported on the successful fabrication of Rutherford-type cables using Bi-2212/Ag matrix composite strands. In this paper, we present our first results on the fabrication of small coils using this cable. The cable contains 14 strands each 1.0 mm in diameter. The coil is made using a wind and react approach with MgO tape insulation between turns. After reaction, the coils are epoxy impregnated and assembled in the subscale magnet test facility at LBNL. Tests are in progress to evaluate the performance of the coils. We will report the coil test results and compare these results with the strand and cable short sample performance.